

# Converting Colors

CIELCh(52, 48.632, 119.945)

Have a look what the booklet for  
CIELCh(52, 48.632, 119.945)  
contains.

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# Color

**CIELCh(52, 48.632, 119.945)**

# Conversions

Conversions Part 1	
Format	Color
Hex	69862F
RGB	105, 134, 47
RGB Percent	41%, 53%, 18%
CMY	0.5895, 0.4758, 0.8169
CMYK	0.22, 0.00, 0.65, 0.48
HSL	80°, 48%, 35%
HSV	80°, 65%, 52%
XYZ	14.7724, 20.1443, 5.7652
YIQ	115.4110, 10.6430, -33.2050

# Conversions

## Conversions Part 2

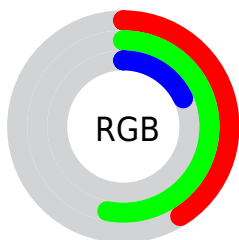
Format	Color
<a href="#">RYB</a>	<a href="#">47, 134, 76</a>
Decimal	<a href="#">6915631</a>
CIELab	<a href="#">52.00, -24.28, 42.14</a>
CIELCh	<a href="#">52, 48.632, 119.945</a>
Yxy	<a href="#">20.1443, 0.3631, 0.4952</a>
Android (android.graphics.Color)	<a href="#">4285105711</a> (0xFF69862F)
YUV	<a href="#">115.4110, -33.7266, -9.1304</a>
Hunter-Lab	<a href="#">44.8824, -19.7935, 23.8018</a>

# Details

The CIELCh color  $52, 48.632, 119.945$  is a dark color, and the websafe version is hex  $669933$ . A complement of this color would be  $27, 55.912, 307.641$ , and the grayscale version is  $49, 0.006, 296.813$ .

A 20% lighter version of the original color is  $72, 48.604, 120.017$ , and  $32, 45.993, 121.263$  is the 20% darker color. If you saturate the color by 10%, you get  $52, 54.414, 119.862$ , and if you desaturate by 10%, it is  $52, 42.028, 120.247$ .

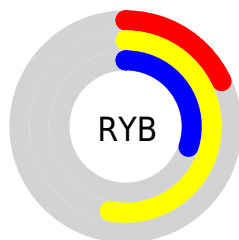
# Distribution



 Red (41%)

 Green (53%)

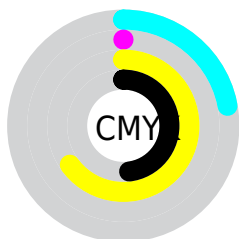
 Blue (18%)




 Red (18%)

 Yellow (53%)

 Blue (30%)

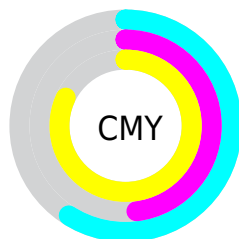



 Cyan (22%)


 Magenta (0%)

 Yellow (65%)

 Black (48%)



 Cyan (59%)

 Magenta (48%)

 Yellow (82%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 48.632, 119.945 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 52, 48.632, 119.945 by changing the saturation by 10% instead.




 52, 48.632,  
119.945


 52, 48.632,  
119.945

 100, 48.632,  
119.945


 42, 48.632,  
119.945


 72, 48.632,  
119.945

 32, 48.632,  
119.945

 82, 48.632,  
119.945

 22, 48.632,  
119.945


 92, 48.632,  
119.945


 12, 48.632,  
119.945


 2, 48.632, 119.945


 0, 48.632, 119.945


 52, 48.632,  
119.945


 52, 48.632,  
119.945


 52, 54.414,  
119.862


 52, 42.028,  
120.247


 51, 59.045,  
120.097


 53, 34.876,  
120.679

 51, 62.306,  
120.726

 53, 27.377,  
121.184


 51, 63.751,  
121.051

 54, 19.671,  
121.722

 55, 11.853,  
122.265

 55, 3.988, 122.802

 56, 3.877, 303.288

 57, 11.712,  
303.775

■ 58, 19.490,  
304.226

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52, 48.632, 119.945



27, 55.912, 307.641

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52, 48.632, 119.945



52, 48.632, 169.945



52, 48.632, 299.945



52, 48.632, 349.945

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52, 48.633, 119.947



69, 19.431, 121.974



38, 35.104, 51.794



36, 13.192, 121.844



86, 0.010, 296.813



37, 0.005, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 48.633, 119.947



66, 68.645, 119.926



50, 55.871, 135.808



28, 4.405, 122.585



49, 62.481, 121.011



1, 1.058, 123.052



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27, 55.912, 307.641



30, 82.057, 308.593



33, 56.573, 322.305



26, 4.480, 303.538



16, 78.050, 309.077



0, 1.058, 303.050



# Previews

## White Background



This preview shows how the CIELCh color 52, 48.632, 119.945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIELCh color 52, 48.632, 119.945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

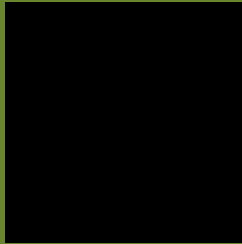
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 52, 48.632, 119.945**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 52, 48.632, 119.945.



This preview shows how white text looks on a background with the CIELCh color 52, 48.632, 119.945.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

52, 48.632, 119.945

### Protanopia

52, 44.227, 95.854

### Deuteranopia

52, 41.350, 80.648





## Tritanopia

52, 6.853, 257.399

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 48.632, 119.945 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(105, 134, 47)` looks like.

```
.text, #text, p{  
    color:rgb(105, 134, 47)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(105, 134, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 134, 47) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 48.632, 119.945 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 134, 47) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(105, 134, 47) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(105, 134, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 134, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 134, 47);  
box-shadow:4px 4px 4px 4px rgb(105, 134,  
47) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 48.632, 119.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 134, 47) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(105,  
134, 47) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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